

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (Canceled)

3. (Original): An electro-mechanical system capable of overcoming stiction forces through localized vibration, the system comprising:

a base layer having a surface;

a device supported above the surface by a pivot, wherein the device is movable along a movement path;

a stop located at a contact position along the movement path, wherein the device contacts the stop at the contact position, and wherein a stiction force between the device and the stop exits at the contact position; and

a vibration element operable to cause a vibration at or near the contact position, wherein the vibration disrupts the stiction force.

4. (Original): The system of claim 3, the system further comprising an device actuator, wherein the device actuator is operable to cause the device to move along the movement path.

5. (Original): The system of claim 3, wherein the device is a structural plate, comprising a micro mirror.

6. (Original): The system of claim 3, wherein the stop comprises an area of the base layer.

7. (Original): The system of claim 6, wherein the vibration element is a mechanical structure operable to repeatedly contact the device at or near the contact point.

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8. (Original): The system of claim 3, wherein the vibration element comprises a device actuator, wherein the device actuator is operable to cause the device to move relative along the movement path.

9. (Original): The system of claim 3, wherein the vibration element is integral to the device.

10. (Original): The system of claim 3, wherein the device is a first device, the pivot is a first pivot, the stop is a first stop, the contact position is a first contact position, the movement path is a first movement path, and the vibration device is a first vibration device, the system further comprising:

at least a second device and a second pivot, wherein the second device is supported above the surface by the second pivot, and wherein the second device is movable along a second movement path;

at least a second stop located at a second contact position along the second movement path, wherein the second device contacts the second stop at the second contact position, and wherein the contact between the second device and the second stop is susceptible to a stiction force;

at least a second vibration element operable to cause a vibration at or near the second contact position, wherein the vibration disrupts the stiction force; and

wherein the first and second vibration elements are electrically connected such that the first and second vibration elements are activated together.

Claims 11-91 (Canceled)